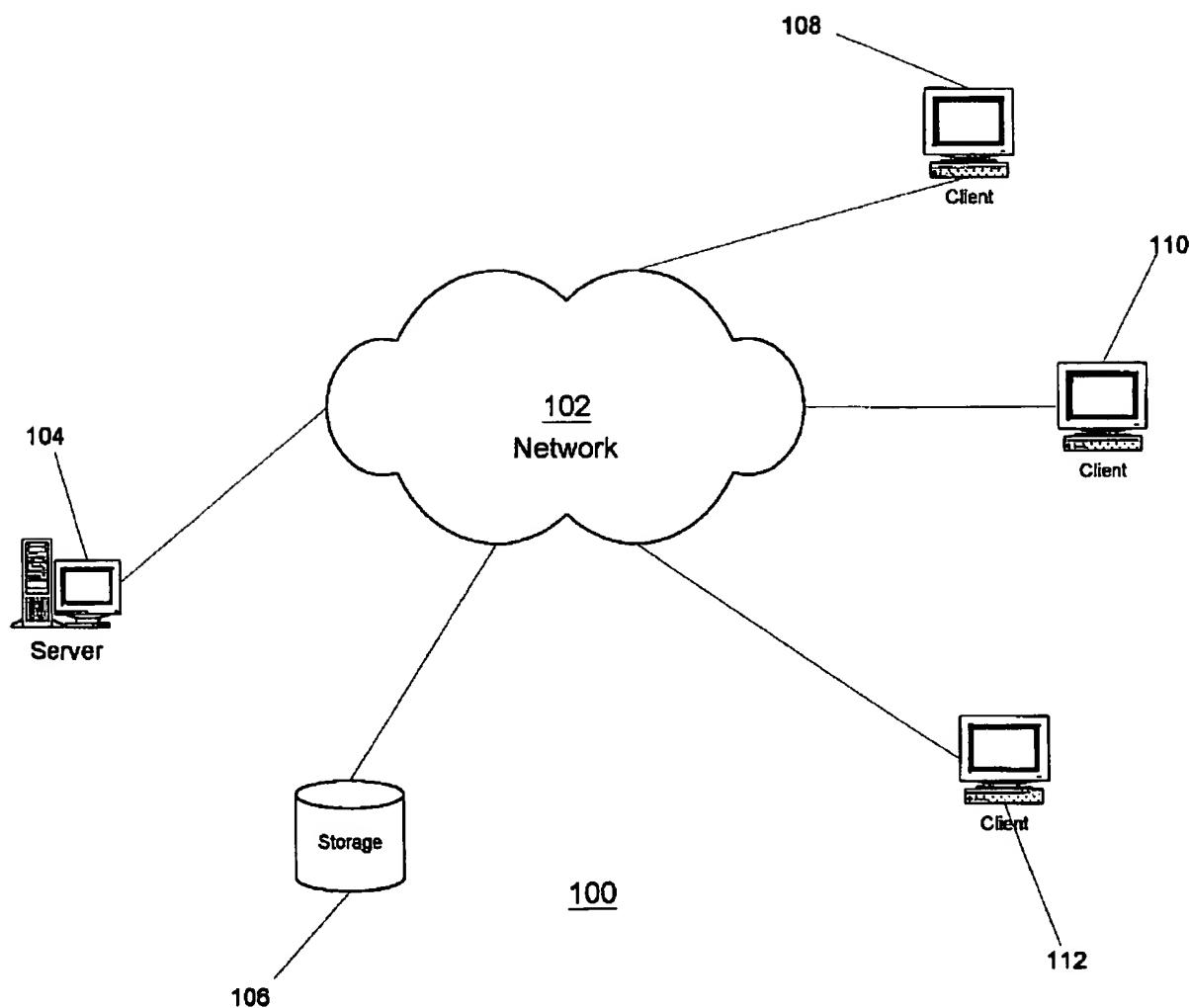


EK28788475245

Figure 1

AUS9-2000-0295-US1



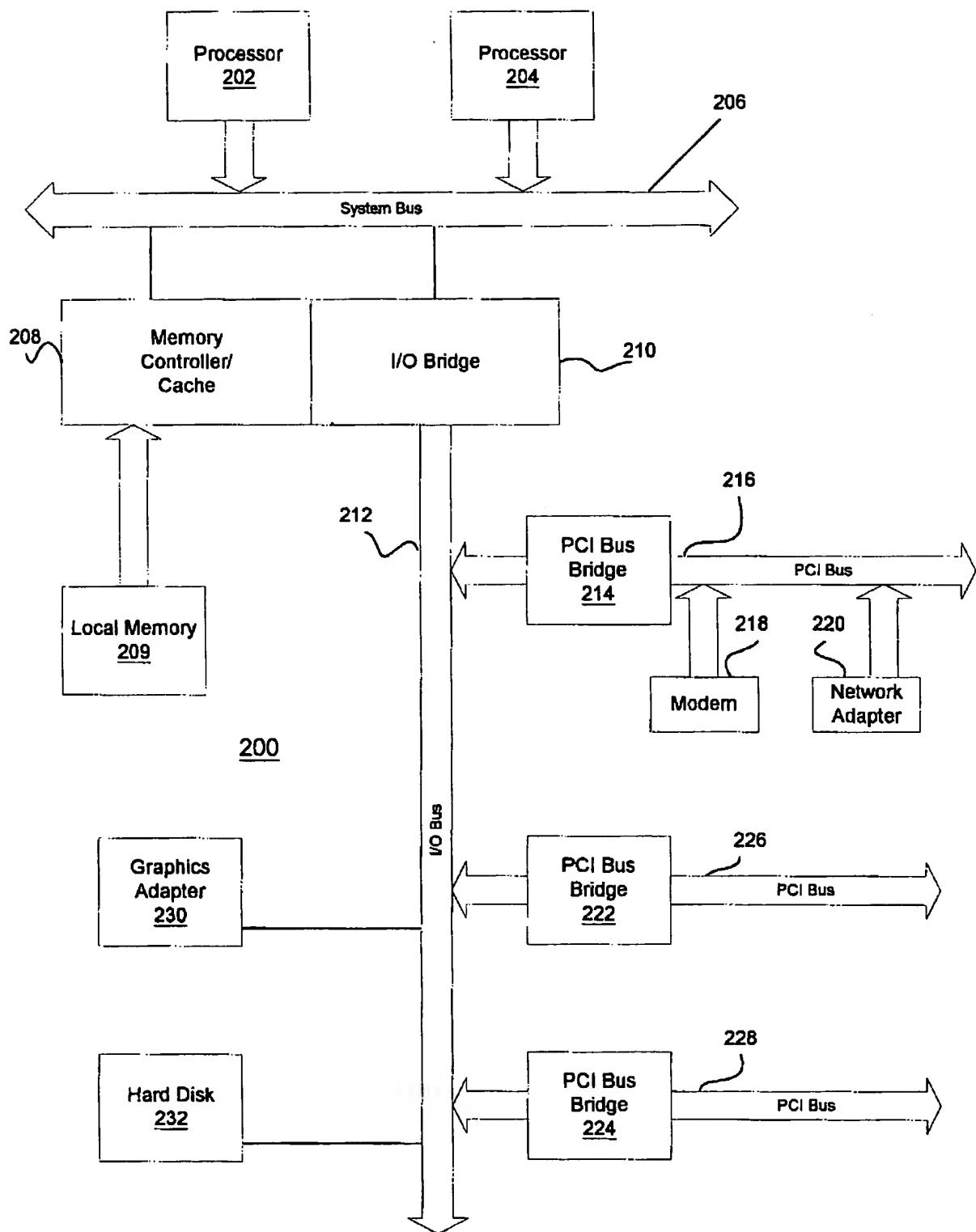


Figure 2

AUS9-2000-0295-US1

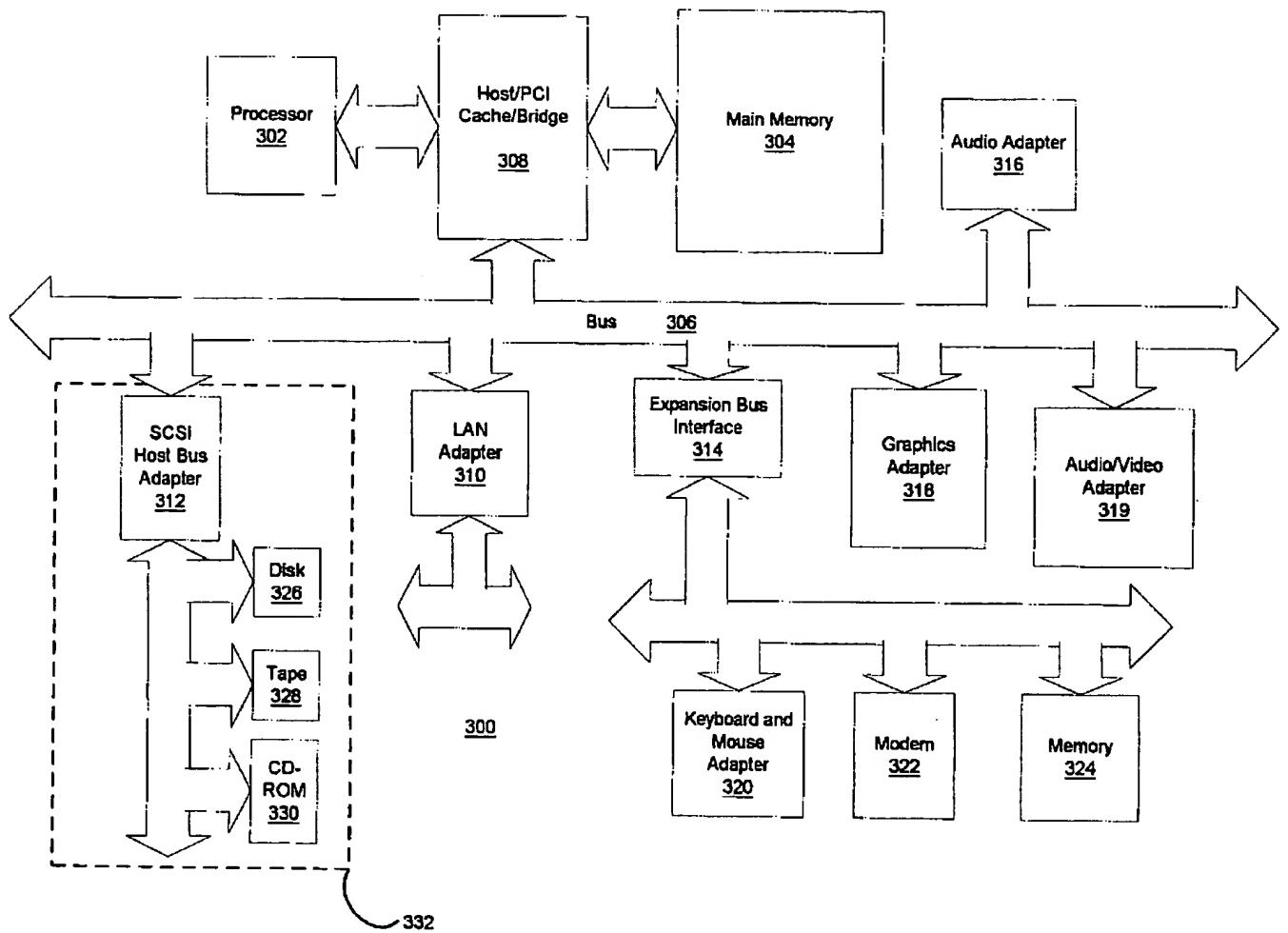


Figure 3

AUS9-2000-0295-US1

Figure 4

AUS9-2000-0295-US1

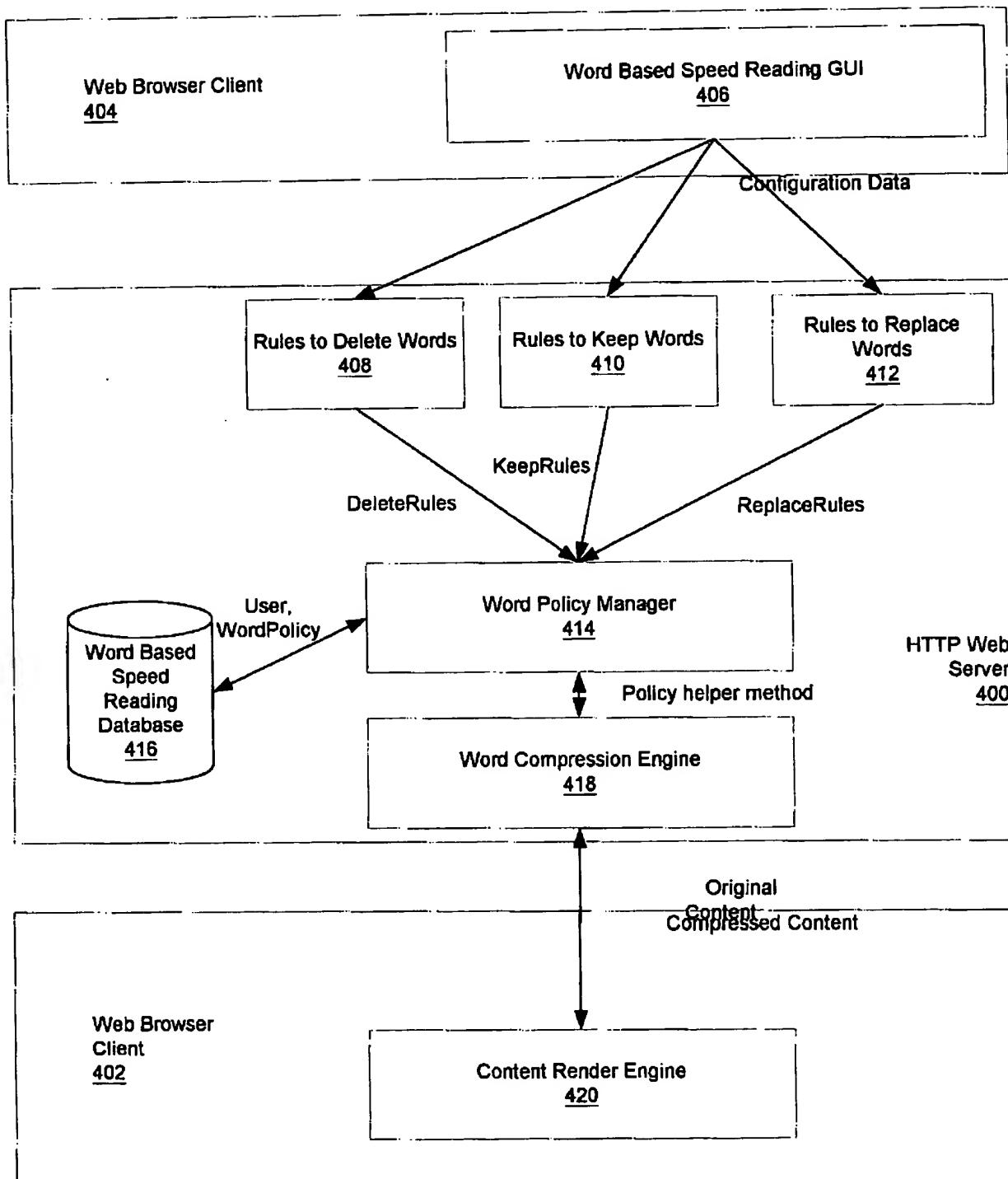


Figure 5

AUS9-2000-0295-US1

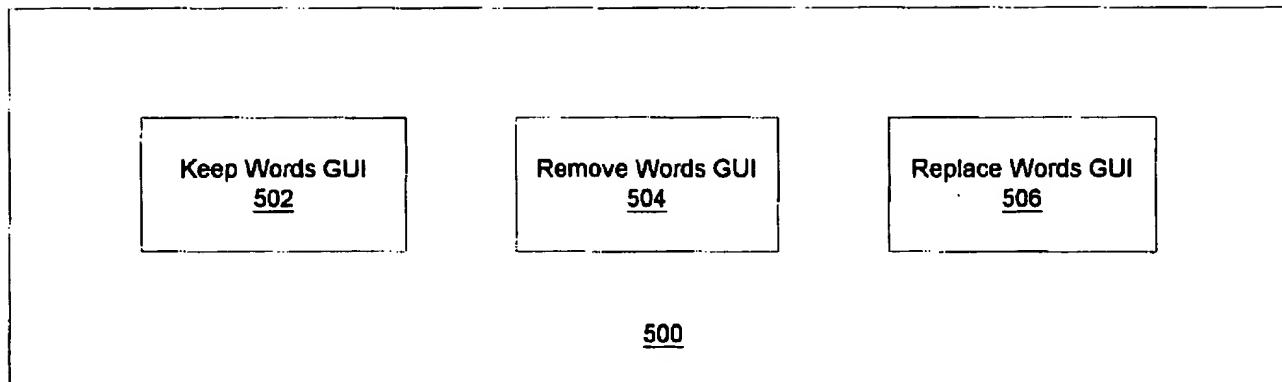


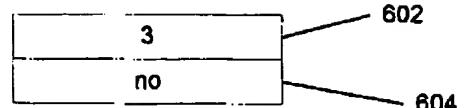
Figure 6

AUS9-2000-0295-US1

Keep By Length

Number of Letters per Word

Limit Content to One Page



Keep By Word

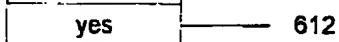
Attribute

Bold

Italic

Underline

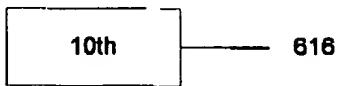
Link



Keep By Number of Syllables



Keep By Grade Level



Keep List of Words



Keep List of Links

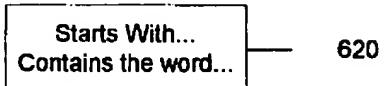


Figure 7

AUS9-2000-0295-US1

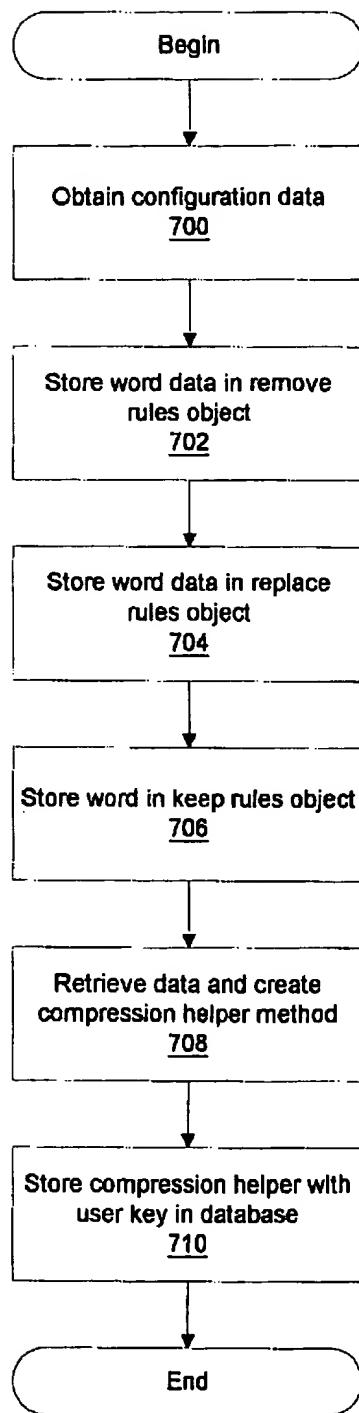


Figure 8

AUS9-2000-0295-US1

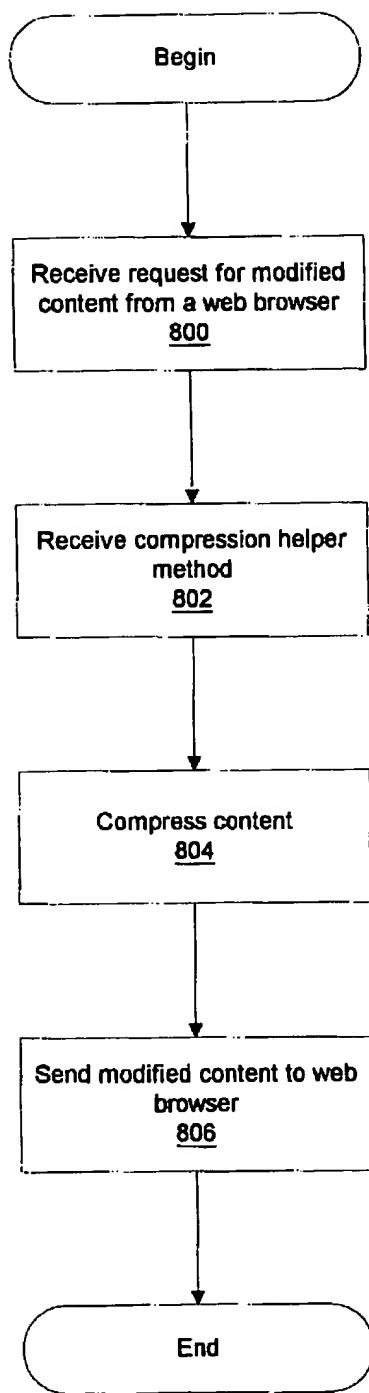


Figure 9A

AUS9-2000-0295-US1

900

```
DeleteWord { // used if delete words defined in GUI

    //init constructor
    DeleteWord (int length, int syllable, int
Difficulty, int attribute)

    //data
    int byLength;
    int bySyllable;
    int byDifficulty;
    int byAttribute;
    Vector removeFullWords;
    Vector removeStartsWithWords;

    //methods
    void setFullWord (String word) {}
    void setStartsWith (String word) {}
    boolean deleteWord (String word) {
        //compare length, difficulty, attrributes
        //compare with removeFullWords list
        //compare with removeStartsWithWords list
        //return true or false

    void setWord (String word) {
        //used by the GUI to add words to delete (or extended
by Keep Class below)
        //add to Vector
    }
    void setStartsWithWord (String word) {
        //used by the GUI to add words
        //add to Vector
    }
}
```

Figure 9B

AUS9-2000-0295-US1

```
ReplaceWords { // used if replace words defined in GUI
    //data
    Hashtable wordsToBeReplaced
        //key=word to be replaced
        //value=replacement word
    //methods
    boolean replace (String word) {
        //check hash to decide return true
    }
    void setReplacement (String wordToBeReplace,
replacement) {
        //used by the GUI to add words
    }
    String getReplacement (String word) { }
}

KeepWords { // used if keep words defined in GUI
    extends DeleteWords

    //init constructor
    KeepWords (int length, int syllable, int
Difficulty, int attribute)

    //methods

    boolean keepWord (String word ) {
        //compare length, difficulty, attributes
        //compare with removeFullWords list
        //compare with removeStartsWithWords list
        //return true or false
    }
}
```

Figure 10

AUS9-2000-0295-US1

1000

```
CompressionHelper {  
  
    //methods  
    String getReplacement (word){ };  
  
    int getNumSyllables (String word) { return numberOfSyllables }  
    int getWordLength (String word) { return wordLength }  
    int getDifficulty (String word) { return GradeLevelDifficulty }  
    int getAttributes (String word) //bold=1, underline=2, italic=3, etc.  
        { return VectorOfAttributes  
  
    //data  
    boolean isPartOfWordRemoveList = DeleteWords.deleteWord (word);  
    boolean isPartOfWordKeepList = KeepWords.keepWord (word);  
    boolean isPartOfWordReplaceList = ReplaceWords.deleteWord (word);  
  
    //init Constructors  
    CompressionHelper(String word) { };  
    CompressionHelper(String [ ] words) { };  
  
}
```

Figure 11

AUS9-2000-0295-US1

1100

```
//String getModifiedContent (String OriginalContentInFileFormat) {  
    //create InputStream from OrginalContentFile  
    //create InputStream for ModifiedContentOutputFile  
    //loop through all words  
        ifWordOnDeleteList //create CompressionHelper classes  
        with each word to be analyzed in parallel with reading the unmodified  
        file content. After caching the compression helpers away, the boolean  
        flags can be used to determine how the modified content is rendered  
        (word removed, word replaced, word remains intact).  
            and NOT on isWordOnKeepList OR isWordOnReplaceList  
                //delete word  
                //break next word  
            else IfOnKeepList AND NOT on WordReplaceList  
                //break next word  
            else //OnWordReplacelist  
                //replace word  
  
        Write result to ModifiedContentOutoutFile  
    }  
}
```